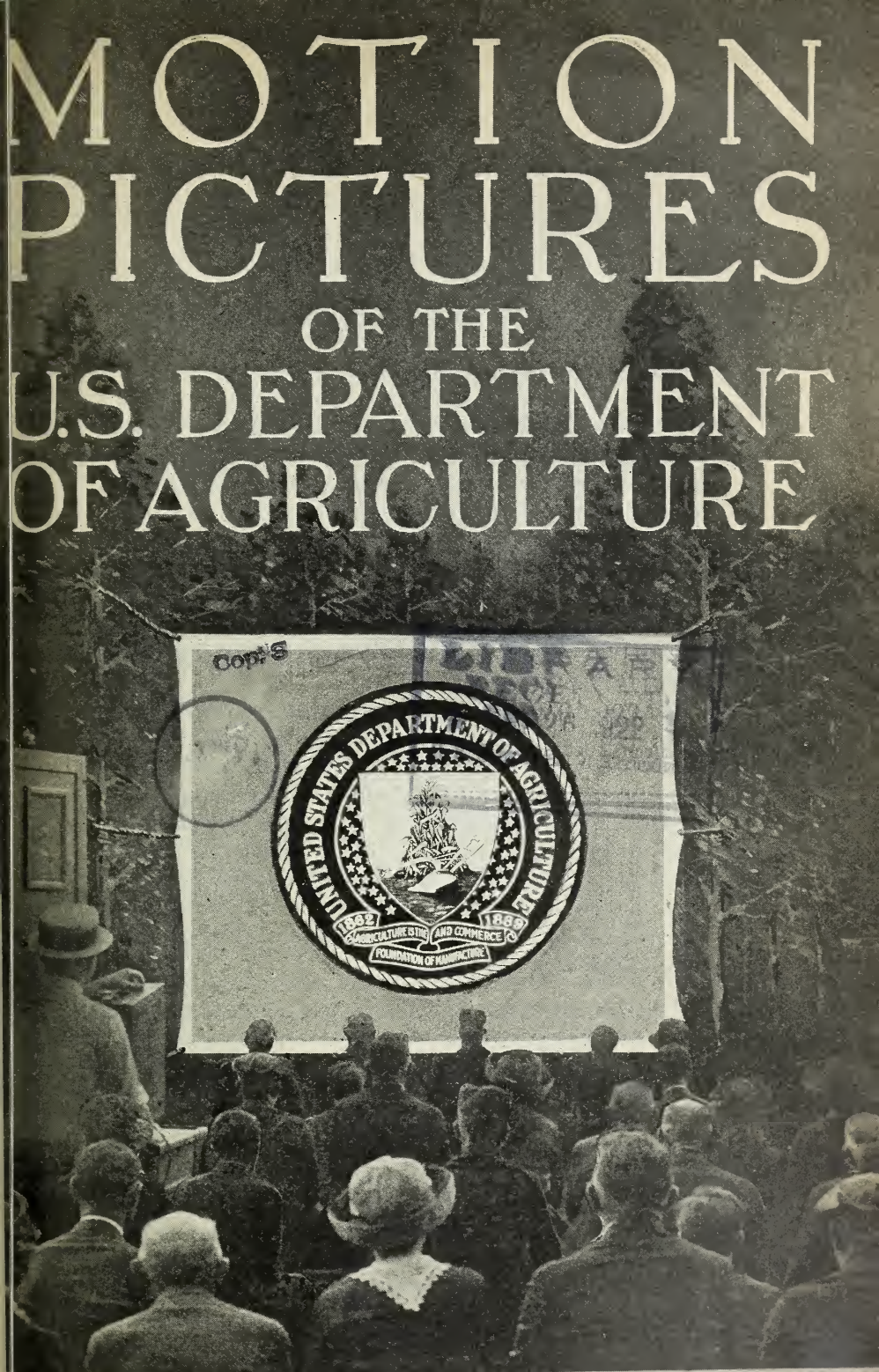
Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

MOTION PICTURES OF THE U.S. DEPARTMENT OF AGRICULTURE



DEPARTMENT CIRCULAR 233

MOTION PICTURES AND AGRICULTURE.

THOUSANDS of extension and field workers in agriculture and allied pursuits have found that motion pictures possess a tremendous possibility for usefulness in making common property of knowledge developed by scientific investigations of the United States Department of Agriculture and in acquainting the public with the methods and significance of important lines of work being carried on by the department and the cooperating State institutions.

The department's films are being shown in all kinds of exhibition places, ranging from the city theater to halls in isolated communities that heretofore have not known the "magic of the screen."

The outstanding need in this work is for easier and quicker distribution of films, which can be best supplied by the State institutions cooperating with the department. To them and other distributing agencies is offered the plan of purchasing prints at manufacturing charges.

Washington, D. C. Issued August, 1922

Cop. 8

MOTION PICTURES

OF THE U. S. DEPARTMENT OF AGRICULTURE

Prepared by Fred W. Perkins, *Assistant in Charge of Motion Pictures, Division of Publications.*

CONTENTS.

	Page.		Page.
Distribution of films	1	List of film subjects—Continued.	
Film circuits	2	States Relations Service	9
Purchase of films	2	Bureau of Entomology	10
List of film subjects	3	Bureau of Agricultural Economics	12
Bureau of Animal Industry	3	Bureau of Public Roads	12
Bureau of Plant Industry	5	Bureau of Biological Survey	13
Forest Service	6	Bureau of Chemistry	13

HOW FILMS ARE DISTRIBUTED.

THE FILMS produced and distributed by the United States Department of Agriculture are intended primarily for the use of extension and field workers of the department and of officially cooperating institutions. The number of copies of these films which the department is able to supply is at present inadequate to meet demands from other sources. However, others desiring to borrow films may make application through their county agent, or other department field worker, the director of extension of their State agricultural college, or other officially cooperating agency, and the films can be furnished if not in use.

Films are furnished free of charge except for transportation, which the borrower is required to pay.

Application for films should be made as far in advance as possible and should indicate, if practicable, several choices of subjects and periods of time, in the order of their preference. Periods of loans should be made as short as practicable. Schedules of proposed showings should accompany applications. Because of the large demand for the department's motion pictures, it is imperative that film be kept in constant use.

Film Circuits Desirable.

The Department of Agriculture has found that the showing of films on circuits makes it possible to get the maximum service from the pictures. It therefore favors the organization of circuits over which its films may be distributed. In such circuits county agents, home demonstration agents, club leaders, bureau field men, or any other class of department or State extension workers may be organized and films may be routed from one to the other. It is essential in such cases for some responsible person to act as the agent for the entire circuit. Arrangements should be made with the department by this person. The films will be sent to him and he will be expected to return them in good condition to the department.

The circuit plan is subject to many variations and much development. The department is glad to cooperate with any State agricultural college or other State or Federal institution in arranging such circuits and in preparing programs of films that may be routed in this manner.

How to Purchase Department Films.

Because of the insistent demand for copies of its films, the department has made arrangements whereby individuals or organizations authorized by the department to make such purchases may buy prints of department films from a commercial manufacturer at the following prices, which were obtained in competitive bidding:

On standard-width slow-burning film stock, 4 cents a foot, or approximately $40 for the standard reel of 1,000 feet.

On standard-width inflammable film stock, 3½ cents a foot, or about $35 for a thousand-foot reel.

On narrow-width slow-burning film stock, 4 cents a foot.

Purchasers are required to pay for transportation from New York, and in some cases other small additional charges.

This arrangement has given State agricultural colleges and extension organizations, public-school systems, farmers' organizations, boards of trade—organizations of every sort—an opportunity to establish or add to their film libraries. It is required that the subject matter of the film shall not be changed and that credit to the department shall be retained. When prospective purchasers desire to view department pictures, arrangements will be made for projection in the laboratory in Washington, or when possible, the films will be shipped for projection elsewhere.

This arrangement is also open to commercial film distributing companies and to business houses under the conditions noted above.

DEPARTMENT OF AGRICULTURE FILMS

Available for Distribution.

In the following list the titles of films are arranged under the names of the bureaus that are authority for the subject matter. This does not mean, however, that a worker in any bureau should use films of his bureau only. For the sake of variety in programs, it is well to select films on subjects that come under the work of two or more bureaus.

BUREAU OF ANIMAL INDUSTRY.

ANIMAL TUBERCULOSIS.

Out of the Shadows ---------- 2 reels.

Appearance of animal tuberculosis on the farm of Henry Benton and its communication to his daughter, Mary, through the milk of a tuberculous cow. The clean-up of the farm and Benton's acquirement of a herd of cattle accredited as free from tuberculosis. Mary's departure for a sanitarium and her return, restored to health after three years, to join a happy family circle.

FEDERAL MEAT INSPECTION.

The Honor of the Little Purple Stamp ---------- 1 reel.

A housewife, buying meat, inquires the meaning of the Federal inspection mark. The meat man explains, and the picture shows how the meat-inspection service protects American tables from diseased meat. The picture is particularly adapted for showing to agricultural college students, county agents, etc.

SWINE.

Exit Ascaris ---------- 2 reels.

Methods of controlling roundworms in pigs, which annually cause heavy losses among swine; sanitation rules worked out by laboratory investigation and applied successfully under Corn Belt conditions. A number of microscopic scenes are included in the film.

Control of Hog Cholera ---------- 1 reel.

Causes of hog cholera, the use of hog-cholera serum, methods of application and results, and proper sanitation as a remedy and a preventive.

Health for Hogs ---------- 1 reel.

How portable colony hog houses help the hog to keep himself clean, and self-feeders keep him from "making a hog of himself." Advantages of portable houses and self-feeders in producing fat, healthy hogs.

Uncle Sam's Pig Club Work ---------- 1 reel.

The formation of pig clubs among boys, and one boy's success in raising a prize hog.

Best Breeds of Swine ---------- 1 reel.

Examples of hog aristocracy in the United States, with scenes showing the extent of the swine industry; made with Spanish titles to encourage the sale of American breeding stock in South American countries.

SHEEP AND WOOL.

Lambs from Range to Market ---------- 1 reel.

Ewes and lambs grazing on national forests; lambs separated from ewes at end of season and taken to feeding yards for fattening; fattening of lambs on different feeds, and loading lambs on trains for market.

This reel largely duplicates "Grazing on National Forests."

From Wool to Cloth ---------- 2 reels.

Wool sorted and weighed at warehouse. Buyers purchasing wool from sample clips. Lowell Textile School. Wool sorted by hand and cleaned and washed by machinery. Wool carded and wound by machines. Wool twisted into yarn of various grades, then woven into cloth. The 15 processes of shrinking, singeing, etc., through which the cloth is passed after weaving.

Sheep on the Farm series:

A Year with the Flock ---------- 1 reel.
Selecting a pure-bred ram and good grade ewes in the fall to start the flock; winter management; shepherd's spring duties—docking, shearing, dipping; sheep on summer pasture.

Wool and Lamb Marketing ---------- 1 reel.
How wool is handled, graded, and sold through community and county wool growers' associations; how lambs are graded by cooperative lamb marketing clubs.

Killing and Dressing Mutton for Home Use ---------- 1 reel.
Showing the proper way to kill, dress, and cut mutton and lamb.

POULTRY.

Selecting a Laying Hen ---------- 1 reel.
Culling the flock. Physical characteristics by which the good egg producer can be recognized.

Making Poultry Pay ---------- 1 reel.
The fundamentals of good poultry management; designed for the information of beginners in poultry keeping.

Where Uncle Sam Raises Poultry ---------- 1 reel.
A visit to the Department of Agriculture Poultry Farm near Washington; scenes exemplifying approved methods of handling poultry; brooders, pens, houses, use of trap nests, etc.

Embryology of the Egg ---------- ½ reel.
How the hen's fertile egg develops into the chick, and the infertile egg does not. A short picturization of the beginning of life.

See also "Poultry parasites and their control," desbribed under Bureau of Entomology.

CATTLE PARASITES.

Making the South Tick-Free ---------- 1 reel.
The Federal and State cooperative campaign in the Southern States against the cattle fever tick; various stages of the destructive insect, and how it is being eradicated by means of the dipping vat.

Charge of the Tick Brigade (an animated cartoon) ---------- 1 reel.
Cattle attacked by ticks. Mortalities result. Mrs. Tick, in illustrated lecture, thanks cattle owners for not dipping cattle.

See also "Stable flies and their control," "Screw worms—how to fight them," "Horn flies, pests of cattle," and "The Ox-Warble," under Bureau of Entomology.

DAIRYING.

Sir Lacteus, the Good Milk Knight ---------- 2 reels.
A little girl, averse to drinking milk, dreams she is kidnapped by Sir Disease. Her parents appeal to Sir Lacteus, who, aided by his cohorts, Sirs Fat, Sugar, Lime, Protein, and Vitamine, defeat Sir Disease's men and rescue the child. Through this fanciful story the food value of milk is emphasized. The picture is available only for showing to children.

Great Dairy Sires and Their Daughters ---------- 1 reel.
For use primarily in connection with the Federal and State "better sires, better stock" campaign. Some of the greatest dairy sires in America and their high-producing offspring.

Swiss Cheese—Made in America ---------- 1 reel.
Dairy Division methods as they are used at the Grove City (Pa.) Creamery, which is operated by the Government. Making cheese that formerly was largely imported.

American Roquefort Cheese—Made from Cow's Milk ---------- 1 reel.
Work at the Grove City (Pa.) Creamery, using methods developed by the Dairy Division. How the secret of Roquefort chesse making has been solved and adapted to this country.

Milk-Made Products ---------- 2 reels.
Laboratory and factory methods of making dairy products, developed by the Dairy Division.

Milk and Honey ---------- 2 reels.
A dairy romance, in which methods of conducting a modern dairy are shown as part of the story.

Why Eat Cottage Cheese? ---------- 1 reel.
Mrs. Brown learns how cottage cheese is made from skim milk at a modern creamery and marketed, and how to use it in the home; serves it to her family.

Construction of a Concrete Silo ---------- 1 reel.
All steps in the construction of a concrete silo.

Construction of a Wooden Hoop Silo ---------- 1 reel.
Method of construction of a silo built of wooden hoops and staves.

Cooperative Cow Testing ---------- 1 reel.
Work of cooperative cow-testing associations in increasing profits and improving dairy herds.

MISCELLANEOUS.

High Steppers ---------- 1 reel.
Types of light horses—for saddle and driving—that won prizes at a horse show in an eastern city.

BUREAU OF PLANT INDUSTRY.

PRODUCTION.

Dates—America's New Fruit Crop ---------- 1 reel.
How determination, applied science, and irrigation water have transformed desert land of the Southwest into productive date gardens; methods of date culture and insect control; establishment of a new industry through Government effort.

Sweet Potatoes from Seed to Storage ---------- 1 reel.
Approved methods, as worked out through Government experiments, of sweet-potato growing; the care that must be taken against disease in this crop. This reel connects with the picture, Sweet Potatoes from Storehouse to Market.

Sweet Potatoes from Storehouse to Market ---------- 1 reel.
See description under Bureau of Agricultural Economics.

Potatoes—Early and Late ---------- 1 reel.
How the potato—unknown to the Old World until the discovery of the Western Hemisphere—came to be called "Irish"; methods of growing and harvesting early and late potatoes in the Norfolk district of Virginia and New Jersey.

The How and Why of Spuds ---------- 1 reel.
From producer to consumer. Commercial production of the born-and-raised-in-America potato, second only to wheat as a human food, as practiced with modern methods and machinery in Aroostook County, Me.

Garden Gold ---------- 1 reel.
John Jasper changes from a confirmed golfer to an enthusiastic gardender; community gardens maintained for public use by an American city and the benefit they gave the health and pocketbook of the Jasper family.

Home Gardening ---------- 1 reel.
Formerly entitled "Feeding America from Its Own Back Yard." Proper methods for city and suburban vegetable gardens, and some examples of successful ones.

Wheat Harvest in the Pacific Northwest ---------- 2 reels
Harvesting and threshing operations on a big scale. Various types of labor-saving machinery, binders, headers, threshers, and combined harvester-threshers.

Strawberries from Seed to Shortcake ---------- 1 reel.
Cultivation of berry plants and picking berries. The sorting and handling, down to the time the fruit reaches the market.

Apples and Other Crops---------- 1 reel.

Progress of apples from the orchard to the cannery; glimpses of truck crop production, including celery, cabbage, carrots, lettuce, and beets.

Uncle Sam, World Champion Farmer---------- 1 reel.

How the United States leads the world in food production; revised one-reel version of picture formerly called Agricultural Resources of the United States.

DISEASES AND PESTS.

A Plant Disease and How it Spreads---------- 1 reel.

A microscopic and field study of rhubarb blight, used as an example to show the workings of the minute organisms that cause plant diseases; about half of the scenes were photographed through a high-powered microscope; despite the technical subject the picture is suitable for use before non-technical spectators.

King Apple's Enemies---------- 1 reel.

Insects and fungi that attack the "king of fruits;" mobilization of the foes for attack on King Apple; their defeat by the light and heavy artillery—various types of spraying and dusting apparatus.

"Leak Disease" of Potatoes---------- 1 reel.

The "Leak disease" in the California Delta region. Its cause and its prevention. The leak disease under the microscope. A technical microscopic study of the parasitic fungus *Pythium de Baryanum.*

The Barbarous Barberry (an animated cartoon)---------- 1 reel.

Common barberry the cause of wheat rust. Science magnifies the rust germs and explains cause and effect.

White Pine Blister Rust series:

The Story of White Pine---------- 1 reel.

Eastern white pine from virgin forest to finished products; second growth; nursery planting; with special reference to the white pine blister rust, a serious disease introduced from Europe.

Logging Eastern White Pine---------- 1 reel.

Methods of logging and lumbering as practiced in Pennsylvania. Portable sawmills in New England; old-fashioned water-power mill of colonial days.

Nature's Crop of White Pine---------- 1 reel.

Second growth of white pine, which is largely replacing virgin timber in the East. White pine reclaiming waste lands, sandy soil and rocky pastures. A valuable crop made more valuable by care and cultivation.

White Pine—A Paying Crop for Idle Lands---------- 1 reel.

Reforestation of idle lands with white pine, showing nursery practice, field planting, and care of plantations.

White Pine, the Wood of Woods---------- 1 reel.

Eastern white pine from log to lumber, illustrating its wide range of usefulness. Lumber yards, stave and box factory, making screen doors, window screens, boxes, barrels, and buckets.

White Pine—Beautiful and Useful---------- 1 reel.

Some of the notable uses of white pine; famous houses in New England built of this wood; scenes in Washington and at Mount Vernon.

FOREST SERVICE.

GAME PROTECTION.

When Elk Come Down---------- 2 reels.

The pursuit of an elk poacher by a forest ranger through the great mountains in the Absaroka National Forest, Mont.; the poacher's capture and punishment; need for protecting the elk from poachers and starvation; cooperation with the State game department.

FOREST FIRE PREVENTION.

Winged Guardians of the Forest ..... 1 reel.
Patrolling for forest fires with airplanes and balloons, also used in spotting fires. Scouting for fires from March Field, Calif. Fire is discovered. Soldiers and forest rangers to the rescue. Methods of fire fighting.

The Fiery Lance ..... 1 reel.
Auto tours and detours through the National Forests; across the Continental Divide over the Cochetopa Pass Road; enjoying the scenic views until a forest fire is discovered; some of the causes of forest fires.

What a Careless Hunter in the Woods Can Do ..... 1 reel.
A forest fire started by a careless hunter, the methods of the Government's fire fighters, and the destruction of a town by the fire.

SCENERY AND RECREATION.

Up to Hyalite ..... 1 reel.
Adventures of a party of tenderfeet in Middle Creek Canyon, Gallatin National Forest, Mont.; the search for them, headed by Forest Service men, and some of the scenic beauties observed by the searchers.

Tumbling Waters ..... 1 reel.
Waterfalls and other scenic wonders in one of "nature's last stands." Middle Creek Canyon, Gallatin National Forest, Mont.

Meadows and Mountains ..... 1 reel.
Elk feeding grounds, mountains, waterfalls, and other points of interest and beauty in West Gallatin Canyon, Gallatin National Forest, Mont.

Cloud-Busting ..... 1 reel.
Adventures of an automobile touring party in the White Mountain National Forest, N. H.

Hitting the High Spots ..... 1 reel.
Tramping and camping amid the scenic wonders of the White Mountain National Forest, N. H.

Under the Great Stone Face ..... 1 reel.
Tramping to points of interest in the White Mountain National Forest, N. H., including the famous "Old man of the mountains."

King Snow Holds Court ..... 1 reel.
Ski jumping, skating, and other winter sports at a winter carnival in the White Mountain National Forest, N. H.

When North Winds Blow ..... 1 reel.
A steam-heated flat dweller finds new vigor when he travels to the White Mountain National Forest and joins in a winter carnival.

She's Wild ..... 1 reel.
Cowboys on the western ranges; with broncho-busting, roping, and tying, and other exhibitions of range prowess at a cowboy gathering.

Pack Train Trip Through the Washington National Forest ..... 1 reel.
A trip with mules, a tent, and a canoe across the northern Cascades. Fording mountain streams and crossing glaciers.

Summer Fun on Western National Forests ..... 1 reel.
Formerly National Forests as Recreation Grounds. Fishing, boating, riding, and motoring in some of the National Forests of the West. Restocking the lakes and streams with fish fry from the State hatcheries.

Summer Home on the Sierra National Forest ..... 1 reel.
Anybody can rent land from the Government and build a summer home on a National Forest. How it is done.
Combined with—

Water for Cities from National Forests.
How the water supply of Portland is protected on the Oregon National Forest.

Trails that Lure ---------- 1 reel.
Over the Columbia River Highway, with its view of mountains and river, into the gorge of the Columbia with its many waterfalls; leaving the highway at Eagle Creek Camp Grounds for a hike up the Eagle Creek trail to Wahtum Lake, in the Oregon National Forest.

Camera Hunting on the California National Forests ---------- 1 reel.
An early spring deer hunt—with a camera.

Vacation Days on the National Forests ---------- 1 reel.
Camping on the Crater and Wasatch; Boy Scouts' summer camps on the Santa Fe and Oregon; a summer school on the Sierra.

Wichita National Forest and Game Preserve ---------- 2 reels.
Witchery of the Wichita; weird rock formations and scenic wonders of this little-known forest; birds; bison, including an Indian buffalo hunt; wild turkey and deer.

Sentinels of the Sunset ---------- 1 reel.
Scenes near and on Mount Lowe and Mount Wilson, Calif.; views of the Mount Wilson Observatory.
Also includes—

Summer Camps for Cities ----------
Showing a municipal camp maintained in the Angeles National Forest.

National Forests of Colorado series:

Little Journeys in the National Forests of Colorado ---------- 1 reel.
Scenic trips from Denver and Colorado Springs into some of the 16 National Forests of Colorado. Pikes Peak, the Garden of the Gods, Mount Manitou, and Carroll Lake.

Outdoor Life in the Rockies—National Forests of Colorado ---------- 1 reel.
Through Glenwood Canyon in the Holy Cross and White River National Forests. Hanging Lake; Glenwood Springs; pack trip to Snowmass Lake; by auto to Big Thompson Canyon.

A Sportsman's Paradise—National Forests of Colorado ---------- 1 reel.
Fishing in Trappers Lake, Cache La Poudre Canyon, and the North Fork of White River; a bear hunt. A visit to the Twin Sisters fire lookout.

Wonderland of Canyons and Peaks ---------- 1 reel.
The Royal Gorge trip; Leadville, Lake Creek; across the Continental Divide to the Mount of the Holy Cross.

National Forests of New Mexico series:

Old Santa Fe, the Gateway of the Santa Fe National Forest ---------- 1 reel.
Points of historic interest in Old Santa Fe.

De Vargas Day in Santa Fe, N. Mex ---------- 1 reel.
Religious festivals celebrating historic events. Types of Spanish architecture.

The Santa Fe National Forest ---------- 2 reels.
A trip by horseback to points of interest in the Santa Fe Forest. Fishing in the Pecos; a visit to the Panchuela ranger station; skiing in June; a trip to Spirit Lake and to the Continental Divide.

The Prehistoric Bandelier ---------- 2 reels.
The Bandelier National Monument in the Santa Fe National Forest, where the ruined silent cities, containing more than 20,000 cliff dwellings, give evidence of a high type of civilization. Visits to ancient and modern Indian pueblos.

When Cowboys Get Together ---------- 1 reel.
A reproduction of sports of frontier days by cowboys of to-day, showing some of the sports that have made western horsemanship famous the world over and that furnish material for many tales when the cowboys get back on the ranges of the National Forests.

LUMBERING AND GRAZING.

(See also under Bureau of Plant Industry.)

Pines That Come Back—— 1 reel.

How timber will give a profitable return on farm lands not suitable for field crops; good forestry practices and uses of timber. (Particularly applicable in the South.)

Winter Logging in the White Mountains—— 1 reel.

Utilization of timber in the White Mountain National Forest, N. H. How the lumberjacks live and work.

Lumbering Pine on the Arapaho National Forest, Colo—— 1 reel.

Formerly Lumbering Lodgepole Pine. How Government timber is cut under regulation.

Making Railroad Ties on the Wasatch National Forest, Utah—— 1 reel.

Formerly Lodgepole Pine for Railroad Ties. Pines cut into railroad ties.

Grazing on National Forests—— 1 reel.

Cattle and sheep grazing on the National Forests of the West.

MISCELLANEOUS.

The Work of a Forest Ranger—— 1 reel.

The varied life and duties of forest rangers on the National Forests.

Future Forest Giants—— 1 reel.

Reforestation on the National Forests. Planting seedlings and sowing tree seeds in denuded areas of national forests.

Work of the Forest Products Laboratory—— 1 reel.

Work at the Forest Products Laboratory, Madison, Wis., in timber testing; the preservative treatment of timber, the manufacture of paper from wood waste; methods of service to manufacture.

STATES RELATIONS SERVICE.

The Farm Bureau Comes to Pleasant View—— 2 reels.

This picture and the four following show the organization of a rural community for farm bureau work and some of the good results obtained, especially for the farm women.

The first picture of the series shows how "Grandpa Little" got in touch with the extension agents and interested Pleasant View Community in the farm bureau organization; the preparation of a program of community work and the organization meeting, followed by a renewal of the community social life.

A Matter of Form—— 1 reel.

How the home demonstration agent, working through the farm bureau, helps the women of Pleasant View Community to do their own sewing; the making of dress forms; Mrs. Little's new clothes and the praise they won at the community style show.

Layers and Liars—— 1 reel.

The "historic hen" brings a new rug to Mrs. Little's home and unites two communities in a work worth while; culling and other good poultry practices as explained by extension workers; community canning of the culls.

The Happier Way—— 1 reel.

Shows how the women of Pleasant View got in touch with labor-saving devices for household use; how a farm water system gave Mrs. Little time for real enjoyment of country life; and how other conveniences made farm life more attractive.

Food for Reflection—— 2 reels.

The need for a hot school lunch in the school at Pleasant View and how the women of the community raised money to buy and install the equipment. The operation of the hot school lunch and its beneficial results for the school children; weighing and measuring demonstrations; with the conclusion that "children are the best crop the farm produces."

The 4-H Camp for Boys and Girls ---------- 1 reel.
Work and play at one of the camps where club boys and girls learn better farming and home work, and the meaning of 4-H—Head, Heart, Hand, and Health Development.

Helping Negroes to Become Better Farmers and Homemakers ---------- 2 reels.
Showing the operation of the agricultural extension system among Negro farmers of the South and their families; how it was begun, and the benefits it gives.

Apples and the County Agent ---------- 2 reels.
The story of a farmer who, unprogressive and unsuccessful at first, is later enabled through the assistance of the agricultural extension service to introduce modern methods in production and marketing of apples, and thereby becomes successful and prosperous.

The Home Demonstration Agent ---------- 3 reels.
Her work with women and girls and its effects on the whole community, but particularly upon Mrs. Meade and her daughter Mabel; the new agent's arrival; how she organizes the county; she demonstrates home conveniences; the girls' canning club; the egg circle; the community kitchen; the county encampment and picnic; the exhibit of club work at the county fair; Mabel finally wins first prize, a trip to the college short course; activities at the short course; several years later, Mabel a home maker.

American Home Canning in France ---------- 1 reel.
Demonstration of American home canning methods given in 1919 at the agricultural college at Grignon, France, by specialists from the United States Department of Agriculture at the request of the French Ministry of Agriculture.

Fresh Fish—Can It ---------- ½ reel.
Fish freshly caught are canned in a stream-pressure canner on the banks of the stream; the ideal way—taking the canner to the fish.

Drying Fruits and Vegetables in the Home ---------- 1 reel.
Types of driers, methods of drying, packing, conditioning, and labeling tomatoes, carrots, and other root vegetables, corn, berries, and apples, and a luncheon of dried delicacies, attended by the wives of Cabinet officers.

Club Champions at Camp Vail ---------- 2 reels.
A day at a boys and girls' club encampment held in connection with an interstate fair, featuring exhibits, demonstrations, and judging contests by teams which have won State championship honors.

Cured by Canning ---------- 1 reel.
How illness and idleness in a Middle West rural community were banished by the first mother-daughter canning club, which converted products formerly wasted into canned food.

Patriotic Pigs ---------- 1 reel.
How, through organization under the county agent, Carroll County, Miss., helped win the war by producing and sending, in one train-load, to the St. Louis market, $100,000 worth of pigs and donating 10 per cent of the proceeds to the Red Cross; a lesson in cooperation.

BUREAU OF ENTOMOLOGY.

INSECTS ATTACKING PLANTS.

Good-by, Boll Weevil ---------- 2 reels.
Shows the calcium arsenate method of combating the boll weevil; various types of poisoning machinery; methods of application; tests of poisoning material made by the Federal Government, and seizures of material condemned as unsafe for use; a story of the experience of four cotton growers runs through the picture.

How to Poison Boll Weevils ---------- 1 reel.
At a meeting arranged by the county agricultural agent, a lecturer explains the proper methods of poisoning cotton to control the boll weevil; methods of poisoning are shown; this film treats in detail matters mentioned generally in Goodbye, Boll Weevil.

Cotton's Worst Enemy—The Pink Boll Worm ---------- 1 reel.

Shows clean-up, under the direction of the Federal Horticultural Board, of 10,000 infested acres in Texas. Sweeping of fields and burning of plants. Fumigation of imported cotton. Distinction between pink boll worm and boll weevil.

An Undesirable Alien ---------- 1 reel.

The European corn borer's menace to the great American corn crop; quarantines and control methods used in New England to prevent the spread of this dangerous pest.

Fighting Western Pine Beetles ---------- 1 reel.

Insects are contrasted with fire as enemies of the great forests of the Pacific Coast; how the pine beetles destroy valuable stands of timber, and how the beetles may be controlled through methods worked out by Government entomologists.

Dangerous Invaders ---------- 1 reel.

How the gipsy and brown-tail moths gained a foothold in New England, their damage to trees, and how they are being fought to prevent their spread over the country.

King Apple's Enemies ---------- 1 reel.

See description under Bureau of Plant Industry.

The Most Wonderful Insect in the World ---------- 1 reel.

The periodical cicada, or 17-year locust. Its long disappearance under the ground, and its appearance after 17 years for a short period of aerial life.

Safeguarding the Citrus Fruit ---------- 1 reel.

Fumigation of citrus fruit trees in southern California. Methods used in preventing damage to orange and lemon trees.

INSECTS ATTACKING ANIMALS.

The Ox-Warble—A Fifty-Million-Dollar Tune ---------- 1 reel.

A drop in milk production brings about the discovery of the ox-warble in Farmer Smith's cows; the Government "bug man" is called on to explain methods of controlling the ox-warble, which is one of the major pests attacking American cattle.

Stable Flies and Their Control ---------- 1 reel.

Methods of protecting animals from the stable fly, an annoying and harmful insect that appears in many parts of the United States.

Screw Worms—How to Fight Them ---------- 1 reel.

Harm done by the screw-worm fly, and how the insect is fought successfully in the Southwestern States.

Horn Flies—Pests of Cattle ---------- 1 reel.

How to prevent the breeding of horn flies and thus reduce the harm done by their attacks on cattle. Methods of control used in the Southwestern States.

Poultry Pests and Their Control ---------- 1 reel.

Mites, fowl ticks, chiggers, and poultry lice; poultry infested with them and methods for their control.

BEES.

Bees—How They Live and Work ---------- 1 reel.

How the bees gather nectar and transform it into a valuable food, honey; apiary and bottling methods are shown, as well as a queen bee laying eggs, bees hatching, bees gathering nectar, and other operations in the lives of these interesting insects.

Keeping Bees at Work ---------- 1 reel.

Approved methods of bee management; how to control diseases of the brood. This film is intended primarily for showing before beekeepers.

BUREAU OF AGRICULTURAL ECONOMICS.

Production's Pulse ---------- 2 reels.
How Government crop reports are made by the work of 215,000 crop reporters, and how they are released to the public, placing the farmer on a par with the speculator in farm products; the crop report is followed from the field to the newspaper.

The Golden Fleece ---------- 1 reel.
Jason, a progressive farmer, learns that clean handling of wool, grading, and cooperative selling will bring success in his search for "the golden fleece."

Sweet Potatoes from Storehouse to Market ---------- 1 reel.
Approved methods of storing, grading, and shipping sweet potatoes; how to prevent losses in storage and transportation.

Western Cantaloupe Industry ---------- 1 reel.
Harvesting and marketing cantaloupes in the Turlock and Imperial Valley regions of California.

Potato Industry in the California Delta Region ---------- 1 reel.
Potato harvesting and marketing in the California Delta region.

Cooperative Berry Growing ---------- 1 reel.
Cooperative growing, purchasing, marketing, and canning in a community in the Northwest.

To Market! To Market! ---------- 1 reel.
Types of public markets in the United States, and how the housewife may economize by going to them with a market basket.

Best Breeds of Swine ---------- 1 reel.
See description under Bureau of Animal Industry.

COTTON.

(See also under Bureau of Entomology.)

Cotton—Planting and Cultivation ---------- 2 reels.
How the South grows its great crop.

Cotton—Ginning and Marketing ---------- 2 reels.
Types of cotton and bales.

Cotton Manufacture ---------- 4 reels.
Carding and weaving cloth.

WHEAT.

(See also under Bureau of Plant Industry.)

Wheat—Sack Handling ---------- 1 reel.
Various steps in handling sacked grain in the Pacific Northwest.
This and the next two films show methods of handling from the time the great wheat fields of the Pacific Northwest are harvested until the wheat leaves an eastern port for shipment overseas.

Wheat—Bulk Handling ---------- 1 reel.
Showing the rapidity with which great quantities of grain can be handled by this new and more economical method and the vastness of the operations.

Wheat—Transportation and Storage ---------- 1 reel.
From the northwestern plains to Duluth, from there by water to Buffalo, thence to Baltimore for shipment overseas.

Wheat Grading Under Federal Supervision ---------- 1 reel.
Tests to which wheat is subjected when graded under Federal supervision.

BUREAU OF PUBLIC ROADS.

Modern Concrete Road Construction ---------- 1 reel.
Approved methods of highway building by the use of concrete; some of the modern machinery and practices used in this work; a contrast is drawn between old-fashioned mud roads and modern highways; the ending is a race between a railway train and a motor truck on a concrete road.

Mixed Asphalt Pavements ---------- 1 reel.
Construction of asphaltic concrete and sheet asphalt roads as approved by the Bureau of Public Roads in administering the Federal aid road act, from asphalt plant to finished road.

Building Bituminous Roads ---------- 1 reel.
How Uncle Sam, as the world's greatest road builder, constructs surface treated and penetration macadam pavements. The introductory scenes show sources of bituminous materials, and laboratory tests to determine quality.

Brick—From Clay to Pavement ---------- 1 reel.
The progress of clay through the factory until it is laid on the road as vitrified paving brick; some finished brick roads.

"What About Macadam?" ---------- 1 reel.
Approved methods of building macadam highways on Federal aid projects.

Granite Block Paving ---------- 1 reel.
From the quarry to the finished pavement in large cities.

Highroads and Skyroads ---------- 1 reel.
Building Government roads through the National Forests; obstacles overcome and scenic beauties reached.

Around the West by Forest Roads ---------- 1 reel.
Examples of forest roads built by the Bureau of Public Roads in Colorado, Oregon, California, and Arizona.

Building Forest Roads ---------- 1 reel.
Men and machinery at work in the National Forests, pushing good highways through the great mountains and woodlands.

BIOLOGICAL SURVEY.

Anne's Aigrette ---------- 1 reel.
Anne shows her new hat to her husband, who notices the plume, explains it is an aigrette—the nuptial plume of the egret—and tells how the egrets have been almost exterminated by plume hunters; egrets are shown in a Federal bird refuge, a great cypress swamp in Arkansas; Anne decides she will not wear the plume.

National Bird Refuges ---------- 1 reel.
A trip on a Government patrol boat to Federal bird refuges on islands in the Gulf of Mexico, off the coast of Louisiana; brown pelicans, royal terns, laughing gulls, black skimmers, and other birds.

Last Days of the Prairie Dog ---------- 1 reel.
The prairie dog in Arizona, the damage he does to farming, and the work of the Biological Survey toward the extermination of the pest.

BUREAU OF CHEMISTRY.

Dust Explosions in Mills and Elevators ---------- 2 reels.
Some of the causes, results, and means of preventing grain-dust explosions in mills and elevators; laboratory tests showing the inflammability of grain dusts and the velocity of propagation; results of five dust explosions which occurred during the summer of 1919; suction sweeps, revolving dampers, and other preventive devices.

Explosive Dusts ---------- 1 reel.
A briefer presentation, in less technical form, of the same subject covered in "Dust Explosions in Mills and Elevators."

Dust Explosions in Threshing Machines ---------- 1 reel.
Explosions and fires in threshing machines, their causes and results. Use of preventive devices—suction fans, fire extinguishers, wire systems. Experiments with dust from starch, flour, sugar, coal, and sulphur made by Bureau of Chemistry and Bureau of Mines.

ADDITIONAL COPIES

OF THIS PUBLICATION MAY BE PROCURED FROM
THE SUPERINTENDENT OF DOCUMENTS
GOVERNMENT PRINTING OFFICE
WASHINGTON, D. C.
AT

5 CENTS PER COPY

▽